

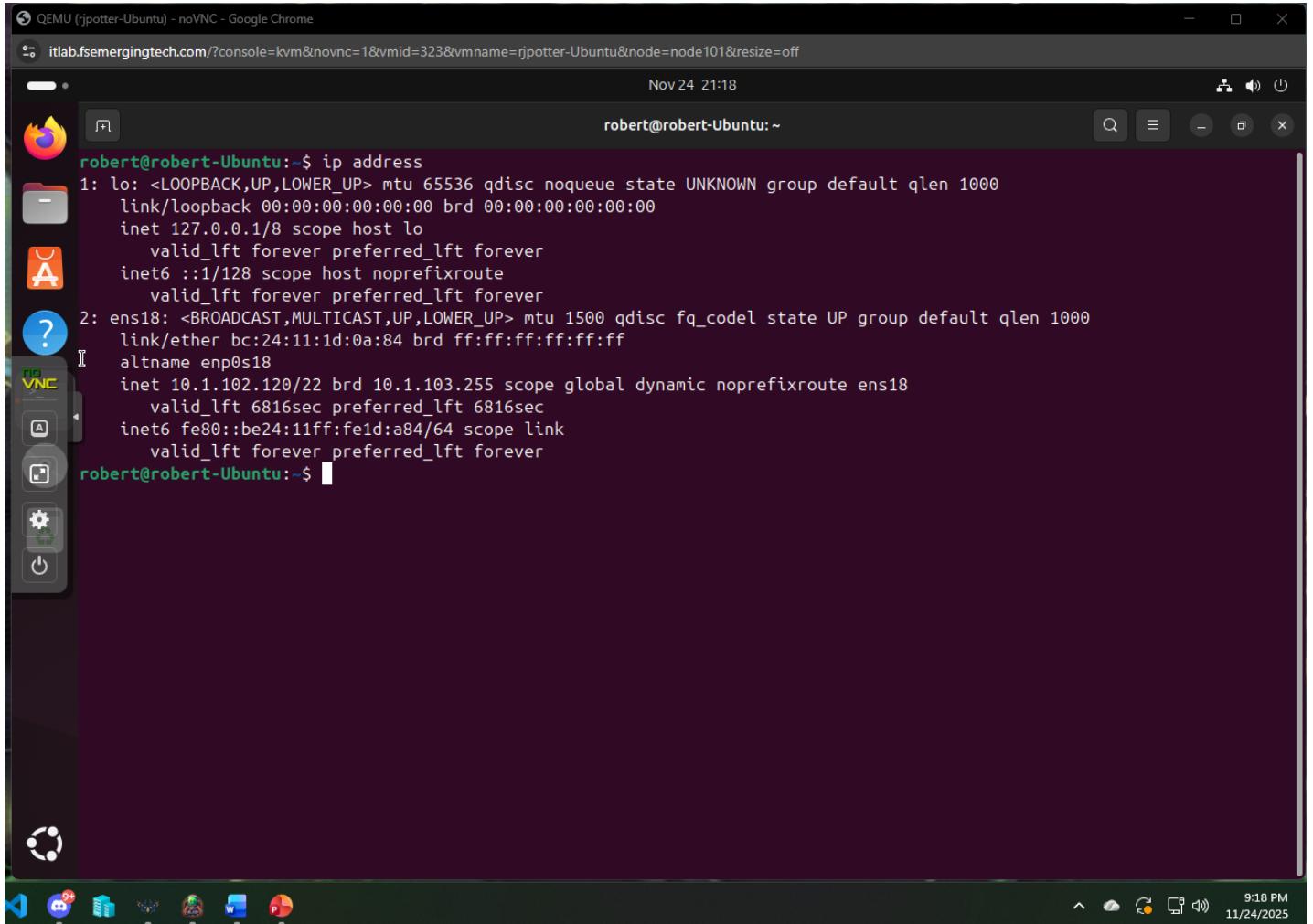
VCO Lab 1

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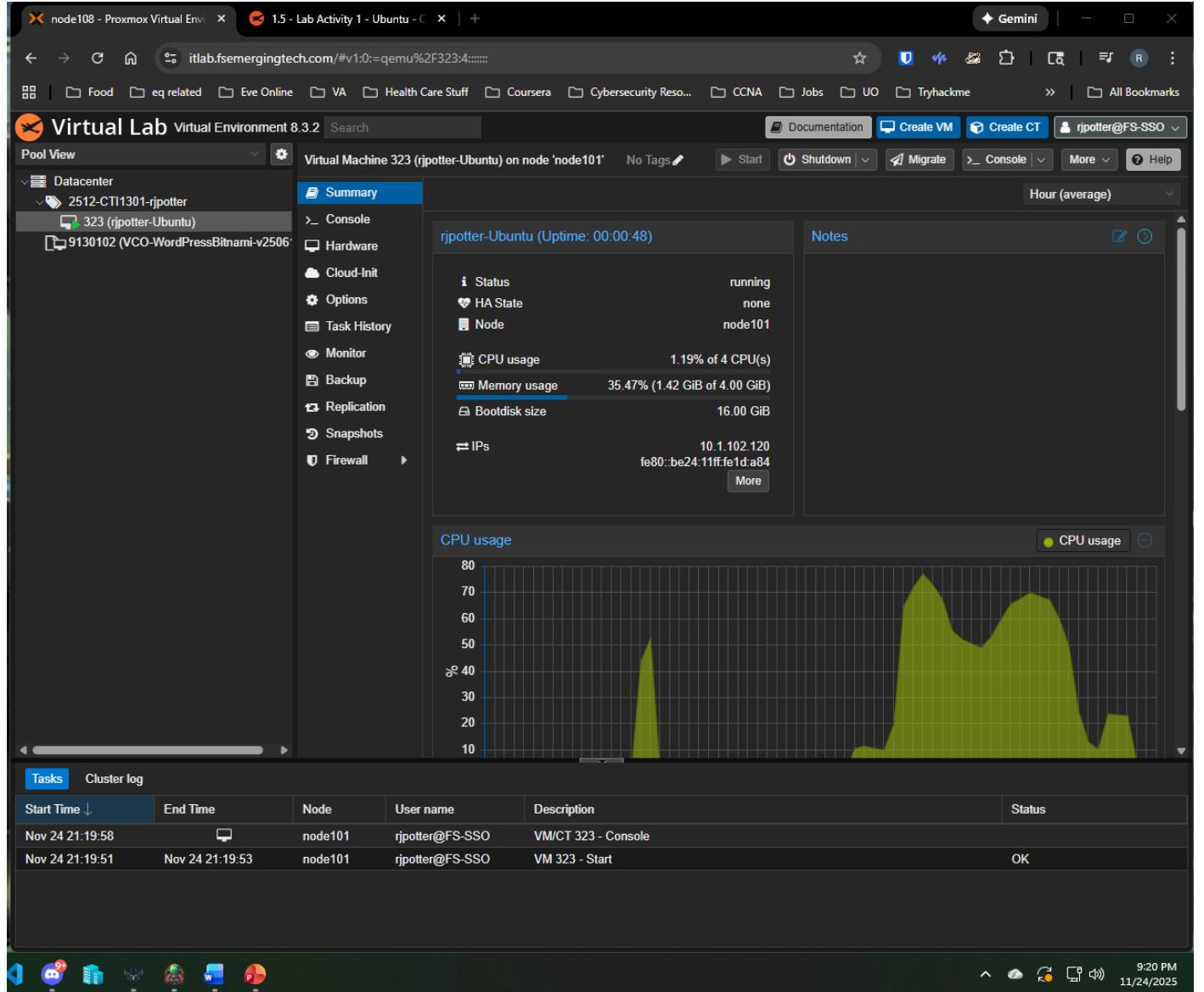
1a. Ubuntu Terminal



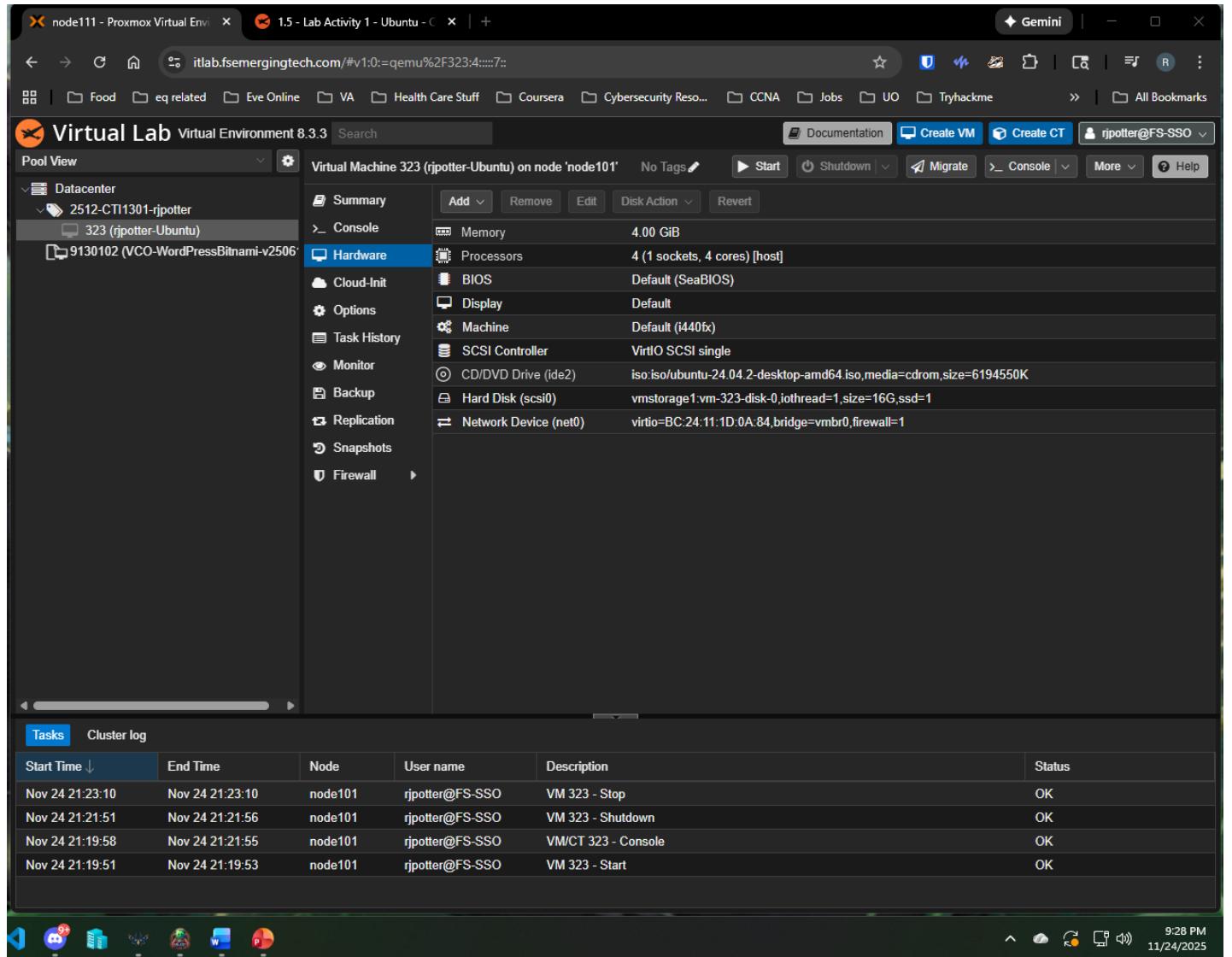
The screenshot shows a VNC session connected to a QEMU instance of an Ubuntu system. The terminal window displays the output of the command `ip address`. The session is titled "QEMU (rjpotter-Ubuntu) - noVNC - Google Chrome" and is running on port 3238. The terminal window has a dark background and white text. The desktop environment includes a dock with icons for various applications like Microsoft Word, Excel, and Powerpoint.

```
robert@robert-Ubuntu:~$ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: ens18: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether bc:24:11:1d:0a:84 brd ff:ff:ff:ff:ff:ff
    altname enp0s18
    inet 10.1.102.120/22 brd 10.1.103.255 scope global dynamic noprefixroute ens18
        valid_lft 6816sec preferred_lft 6816sec
    inet6 fe80::be24:11ff:fe1d:a84/64 scope link
        valid_lft forever preferred_lft forever
robert@robert-Ubuntu:~$
```

Part 1b. Summary



Part 1c. Hardware



Part 1d. Options

The screenshot shows the Virtual Lab interface version 8.3.3. On the left, there's a tree view of Datacenter, showing a pool named 2512-CTI1301-rjpotter containing two VMs: 323 (rjpotter-Ubuntu) and 9130102 (VCO-WordPressBitnami-v2506). The right side displays the configuration for VM 323 (rjpotter-Ubuntu) on node 'node101'. The 'Options' tab is selected, showing various configuration settings:

Setting	Value
Name	rjpotter-Ubuntu
Start at boot	No
Start/Shutdown order	order=any
OS Type	Linux 6.x - 2.6 Kernel
Boot Order	scsi0, ide2, net0
Use tablet for pointer	Yes
Hotplug	Disk, Network, USB
ACPI support	Yes
KVM hardware virtualization	Yes
Freeze CPU at startup	No
Use local time for RTC	Default (Enabled for Windows)
RTC start date	now
SMBIOS settings (type1)	uuid=04ad948b-a047-40f2-b7b4-e4290a1d9b96
QEMU Guest Agent	Enabled
Protection	No
Spice Enhancements	none
VM State storage	Automatic
AMD SEV	Default (Disabled)

At the bottom, there are 'Tasks' and 'Cluster log' sections. The 'Cluster log' table shows the following entries:

Start Time	End Time	Node	User name	Description	Status
Nov 24 21:23:10	Nov 24 21:23:10	node101	rjpotter@FS-SSO	VM 323 - Stop	OK
Nov 24 21:21:51	Nov 24 21:21:56	node101	rjpotter@FS-SSO	VM 323 - Shutdown	OK
Nov 24 21:19:58	Nov 24 21:21:55	node101	rjpotter@FS-SSO	VM/CT 323 - Console	OK
Nov 24 21:19:51	Nov 24 21:19:53	node101	rjpotter@FS-SSO	VM 323 - Start	OK

The system tray at the bottom right shows icons for battery, signal, and network, with the date and time indicating 11/24/2025 at 9:28 PM.

ProxMox
Dashboard,
Pool View, All
VMs powered
down

The screenshot shows the Proxmox Virtual Environment 8.3.3 interface. On the left, a dark sidebar displays the text "ProxMox Dashboard, Pool View, All VMs powered down". The main window is titled "Virtual Lab Virtual Environment 8.3.3" and shows the "Pool View" section. The left pane lists "Datacenter" and "2512-CTI1301-rjpotter" with its members: "323 (rjpotter-Ubuntu)" and "9130102 (VCO-WordPressBitnami-v2506)". The right pane shows a table of VMs with one entry: "qemu" (Type) "323 (rjpotter-Ubuntu)". At the bottom, a table of "Tasks" shows four entries related to VM 323: "VM 323 - Stop", "VM 323 - Shutdown", "VM/CT 323 - Console", and "VM 323 - Start". The status for all tasks is "OK". The system tray at the bottom right shows icons for battery, signal, and network, with the date and time "11/24/2025 9:26 PM".